

## SCIENTIFIC REVIEW EXPERIENCE

- **CMS Analysis Review Committee Activities**

- **BPH-23-001:** *Measurement of  $R(J/\psi)$  in the hadronic  $\tau$  decay channel*, Aug. 2023–present (target journal: *Physical Review Letters*)
- **BPH-22-012:** *Test of lepton flavor universality in semileptonic  $B_c^+$  meson decays in proton-proton collisions at  $\sqrt{s} = 13$  TeV*, Mar. 2023–present (published: *Physical Review Letters*)
- **HIG-20-007:** *Constraints on anomalous Higgs boson couplings to vector bosons and fermions from the production of Higgs bosons using the  $\tau\tau$  final state*, Mar. 2021–May 2022 (published: *Physical Review D*)

- **CMS Collaboration-wide Reviews**

- **BPH-21-005:** *Search for lepton flavor violating  $\tau \rightarrow 3\mu$  decays in proton-proton collisions at  $\sqrt{s} = 13$  TeV*, Sep.–Oct. 2023 (published: *Physics Letters B*)
- **TOP-21-013:** *Search for flavor-changing neutral current interactions of the top quark in final states with a photon and additional jets in proton-proton collisions at  $\sqrt{s} = 13$  TeV*, Jul.–Aug. 2023 (published: *Physical Review D*)
- **HIG-23-002:** *Evidence for the Higgs boson decay to a  $Z$  boson and a photon at the LHC*, Jul. 2023 (published: *Physical Review Letters*)
- **SUS-21-006:** *Search for supersymmetry in final states with disappearing tracks in proton-proton collisions at 13 TeV*, Jun.–Sep. 2023 (published: *Physical Review D*)
- **TOP-22-008:** *Evidence for  $tWZ$  production in proton-proton collisions at  $\sqrt{s} = 13$  TeV in multilepton final states*, Jun.–Jul. 2023 (published: *Physical Review Letters*)
- **HIG-22-007:** *Search for exotic Higgs boson decays to a pair of pseudoscalars in the  $\mu\mu b\bar{b}$  and  $\tau\tau b\bar{b}$  final states in proton-proton collisions with the CMS experiment*, May–Nov. 2023 (published: *European Physical Journal C*)
- **HIG-19-010:** *Measurements of Higgs boson production in the decay channel with a pair of  $\tau$  leptons in proton-proton collisions at  $\sqrt{s} = 13$  TeV*, Nov. 2021–Feb. 2022 (published: *European Physical Journal C*)

- **Conference Reviews**

- **Higgs 2022, Pisa, Italy**, 7–11 Nov. 2022: Co-coordinator of Precision parallel sessions; reviewed 44 abstracts; facilitated communication between presenters and session/program coordinators